

# TEKRA NEWS

## IN THIS ISSUE

- *Tekra's New Slot Die*
- *New Marnot Advanced Low Iridescence Hardcoated Polyester*
- *New Industrial Polyester Films*



TRADE SHOWS



## Tekra Exhibiting at 2014 SGIA Expo

Tekra will once again be exhibiting at the 2014 SGIA Expo in Las Vegas, NV, October 22nd through the 24th. Members of Tekra's product management and sales teams will be on hand at booth #2378 to meet with attendees to discuss your film and adhesive needs along with showcasing new products.

Two new product lines are being launched at SGIA. Tekra has just developed a nearly iridescence free hardcoated polyester called Marnot Advanced Low Iridescence (LI) Heat Stabilized Hardcoated Polyester. This new film virtually eliminates the distracting rainbow or oily sheen phenomenon that can be present with other hardcoated films, making this the film of choice for the appliance and automotive markets.

Secondly, Tekra is launching a line of films compatible with the new Latex inkjet technology. Called JetView Latex, this new line of polycarbonate films greatly enhances ink adhesion. In addition, our new white translucent polycarbonate is taking the backlit market by storm with the color vibrancy achieved when printing on a thicker film.

Please stop by our booth or call your sales representative to set up a meeting. We would appreciate the chance to talk to you!

## Dura-Go™ Static Cling for HP Indigo Printers

FEATURED PRODUCT

Past history has shown that static cling films are often a difficult material for digital printers to run, especially for HP Indigo press owners, because of the inherent issues with the film. Plasticizer migration can cause sheets to block together making feeding an issue. Poor adhesion of the static cling vinyl to the backer board can cause the film to stretch causing registration and die cutting issues.

In late 2012, Tekra announced a solution to all HP Indigo users who needed a quality static cling product. Tekra's Dura-Go 8mil white and clear static cling films solved all the pitfalls commonly associated with static cling. And the results of that product launch have been staggering.

Within our first 12 months of having a solution, we sold

hundreds of thousands of sheets alone and the rapid growth rates continue.

Offered in white or clear, our 8 mil static cling on a 8 point board is available in both 12"x18" and 13"x19" sheets and are certified for HP Indigo presses. The static cling films have no adhesive and adhere to glass and other highly polished smooth surfaces exceedingly well. Tekra offers free test samples to try before purchasing. Common uses include POP signs, window decals, and seasonal decals.

So if you have been passing up static cling opportunities for your HP Indigo press try our Dura-Go static cling. We know you will see we have a solution that will help grow your digital printing business.



Vol. 5 No.2 - Oct. 2014

# New Slot Die Head Expands Coating Options

TEKRA SPOTLIGHT

We are pleased to announce the addition of precision slot die to Tekra's coating technology. With the purchase of a cartridge slot die head, Tekra has dramatically expanded the functionality of both roll coating lines without sacrificing any of our present capabilities in film coating.



Tekra's new precision slot die coating technology

When comparing slot die to gravure coating, slot die offers many new capabilities including handling much higher viscosities. We've gone from "milk like" thicknesses to "honey". Slot die also allows the application of much heavier coating thicknesses. We used to apply coatings thinner than a human hair and we now can handle deposits up to 20 mils in thickness. These changes will

allow Tekra to offer products outside our traditional print receptive and hard coated films into more functional constructions.

Additional benefits from slot die are improved thickness control (now +/- 2% across and down web), a fully enclosed system with no recirculation of coating and no waste meaning our production will be both cleaner and greener. We also expect our customers will see improved optical consistency for some products because the slot die system applies the coatings directly to the film versus a doctor blade and cylinder application gravure system.

The slot die cartridge head is designed to work on both of Tekra's roll coating lines. We will simply bypass the gravure unit and use the slot die head to apply the coating. It will allow application of a full 60 inches wide coating area. It can be used for both thermal and UV cured systems. The die itself is manufactured to support the application of "Newtonian" solutions, meaning that the chemistries do not change under high shear conditions. Tekra has the ability to apply coatings in temperature ranges from 5 to 100 degrees C.

*Continued on Page 2*

## Coating Capabilities Chart

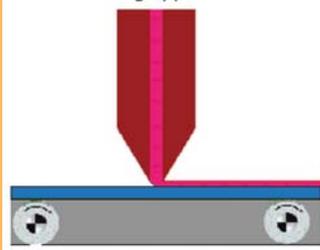
	Current Coating Capabilities	With Slot Die
Coatings Applied	UV, solvent, waterbased	same
Coating Viscosity	1-500 cPs	<b>1 - 10,000 cPs</b>
Wet Coating Thickness	1-50 microns	<b>1-500 microns</b>
Maximum Coated Web Width	61 inches	(slot die 60")
Maximum Web Width	63 inches	same
Minimum Web Width	25 inches	same
Maximum Film Gauge	30 mil	same
Minimum Film Gauge	1 mil	same
Maximum Roll O.D. on Rewind	40 inches	same
Core I.D.	3, 6, or 10 inches	same

## Slot Die... Continued from page 1

We have begun qualification runs using the new technology and we will spend the next few months focused on current film products and chemistries that will benefit from the use of the new technology before we branch out into new markets and new formulation development. Gravure remains the best option for many of our coated films but we will look to use slot die

### TEKRA SPOTLIGHT

Slot Die Coating Application Method



where it will improve our quality in ways that matter to the customers.

We expect slot die to lead

us into improved film offerings in the area of specialty laminates, anti-reflective films, and solvent less coated film offerings.

If you have an unmet need for a film or a laminated construction with specific performance characteristics, contract your Tekra Sales Team to see if our new slot die capabilities might lead to a solution.

## Tekra Adding Biosensor Conductive Inks

Tekra and DuPont Microcircuit Materials have reached an agreement that authorizes Tekra to distribute conductive inks for Biosensors. Typical applications include: blood glucose test strips, microfluidic assays, and devices for drug delivery. Silver, carbon, silver-silver chloride and dielectric compositions will be available soon. For more information, contact your local Tekra sales representative.

### NEW PRODUCT



### NEW PRODUCT

## Seeing is Believing New Low Iridescent (LI) PET

Iridescence is that distracting rainbow or oily sheen phenomenon that can be seen at the surface of a film when viewed at certain angles. To combat iridescence, Tekra introduced a Marnot Advanced Low Iridescent (LI) hardcoat, however until now this has only been available on polycarbonate film.

Tekra has since developed a new LI polyester version, by refractive index matching the polyester, pretreat, and hardcoat. The new Marnot Advanced LI Heat Stabilized (HS) Polyester (PET) has the same properties as the standard Marnot Advanced HS PET with the only difference being the pretreat that we apply our coating to. The second surface pretreat that customers print on remains the same as Marnot Advanced HS PET.

This new LI version provides all of the benefits of Marnot Advanced HS PET, with added low iridescent performance. Iridescence is a major issue for appliance nameplates, faceplates, and membrane switch overlays. The improvement to iridescence with the new LI version is best seen after printing. Marnot Advanced LI HS PET allows appliance white, jet black, and crisp metallic colors to be vibrant with no oily sheen.

Seeing is believing! Call Tekra today to request samples and experience the LI advantage!

**MARNOT**  
*Advanced*

### FEATURED PRODUCT

## Industrial Strength Solutions

According to Merriam-Webster's online dictionary, strength can be defined as "the quality that allows someone to deal with problems in a determined and effective way".

Tekra, A Division of EIS Inc., provides both strength & guidance in offering polyester film solutions. We take great pride in representing DuPont Teijin Films™ (DTF) Melinex® and Mylar® polyester (PET) brands in that regard.

We learned a long time ago that if we are to be successful – our customers must be successful. We accomplish that objective by following one simple business practice: "Listen First".

Following that principle has earned us a reputation of best-in-class supplier for the diverse markets we serve including: Graphics Arts, Labels, Appliance, Healthcare, Display, Printed and Flexible Electronics. Each market requiring high performance film types made to exacting standards.

While customers continue to value polyester film products targeting our core markets, there remained a performance / price void.

Tekra now offers an industrial line of PET films - ideal for less demanding, high volume end uses. These films range from high clarity, lightly filled films, such as Melinex®

460 & 470 series, to hazy filled films, including that of Mylar® A.

Industrial polyester film types are ideal for versatile applications including: labels, release, lamination, and other, more general end uses. We stock many varieties from 92



to 1400 gauge.

Industrial strength solutions ...at an economical price ...We're still listening to our customers!